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INFORMATION REPORT

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COUNTRY
Hungary

SUBJECT
Surveying and Mapping of the Geodetic and Cartographic Enterprise

DATE DISTRIBUTED
Mar 57

NO. OF PAGES
2

NO. OF ENCLS.

SUPPLEMENT TO REPORT # 50X1-HUM

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THIS IS UNEVALUATED INFORMATION

Roll #17

2. After the necessary field data for a 1:5,000 military map, computed the results. used the surveyor's table for drawings which were made in black ink on white paper stretched over aluminum plates to prevent configurations. The finished plates were sent to the Enterprise in Budapest. used the graphic method more than the numeric; and when short on draftsmen the opposite was true. 50X1-HUM

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3. A 1:5,000 scale sheet covers on the ground an area about two km by two km. In a rural flat area it took about three weeks to complete the graphic sheet, surveying, computations and drawing included. In difficult terrain (mountainous or industrial areas) it took four to five months to finish one graphic sheet. For completion of a numeric sheet, one more week can be added for easy terrain, one month for difficult terrain.

4. From frequent trips to the Enterprise's Budapest office, it employed about 500 plus an unknown number for administrative purposes. The Enterprise had four divisions: geodetic, topographic, photogrammetric and city surveying. Topographic had the largest staff - 250. The surveying for 1:5,000 maps is pushed very hard by the Enterprise and all the staff members have to work overtime. 50X1-HUM

5. The Geodetic Division's responsibility was to survey for V order triangulation which was used in 1:5,000 military maps. The Photogrammetry Division, which in 1956 received a stereoplanograph, was responsible for aerial photography, and the City Surveying Division was in charge of surveying and drawing maps of

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1:1,000 and 1:5,000 scales. All maps produced at the Enterprise were in draft form and were sent to the Military Cartographic Institute in Budapest for final processing. [redacted] this latter Institute was printing 1:5,000 five-color maps - black for works of man other than roads, brown for contours, blue for water, pink for roads, and green for vegetation. 50X1-HUM

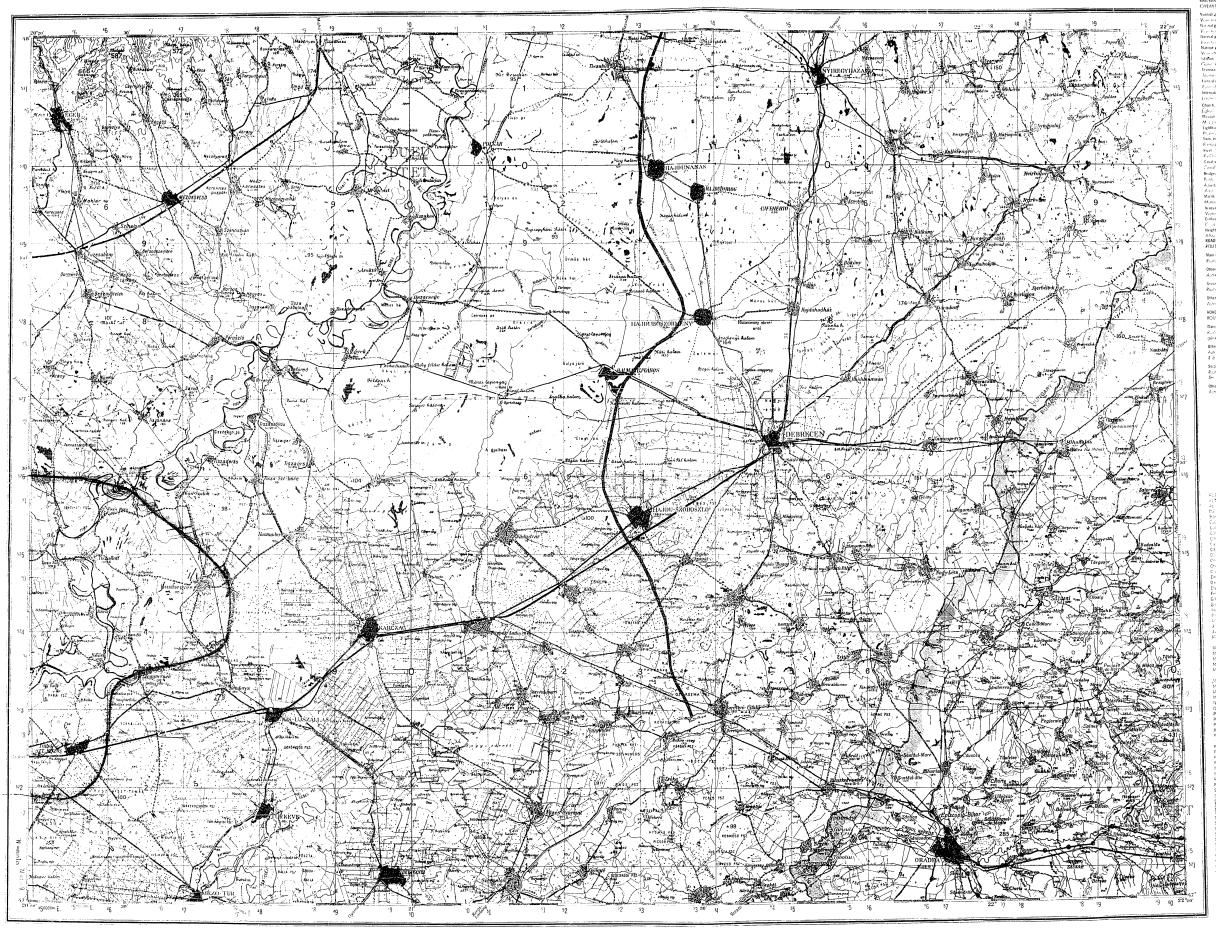
6. Director of the Geodetic and Cartographic Enterprise was Dr Lajos Homorodi, [redacted] 50X1-HUM

[redacted] The assistant director was Gyorgy Szentivanyi [redacted], [redacted] Chief of the Geodetic Division was Istvan Horvath, [redacted] a civil engineer. The two chiefs of the Topographic Division were Dr Zoltan Futaky, [redacted] an engineer, and Jozsef Kiss, [redacted] an engineer. Chief of the Photogrammetric Division was Zoltan Balla, [redacted] a technician, and chief of the City Surveying Division was Geza Milasovszky, [redacted] an engineer. 50X1-HUM

[redacted] 50X1-HUM

CENTRAL EUROPE 1:250.000

DEBRECEN



LEGEND

AUTHORITIES

INDEX TO ADJOINING SHEETS

CONTOUR INTERVAL 100 METERS

TRANSVERSE MERCATOR PROJECTION

KEY TO PRONUNCIATION

DEBRECEN, HUNGARY; RUMANIA

CONFIDENTIAL

CENTRAL EUROPE 1:250,000

BUDAPEST

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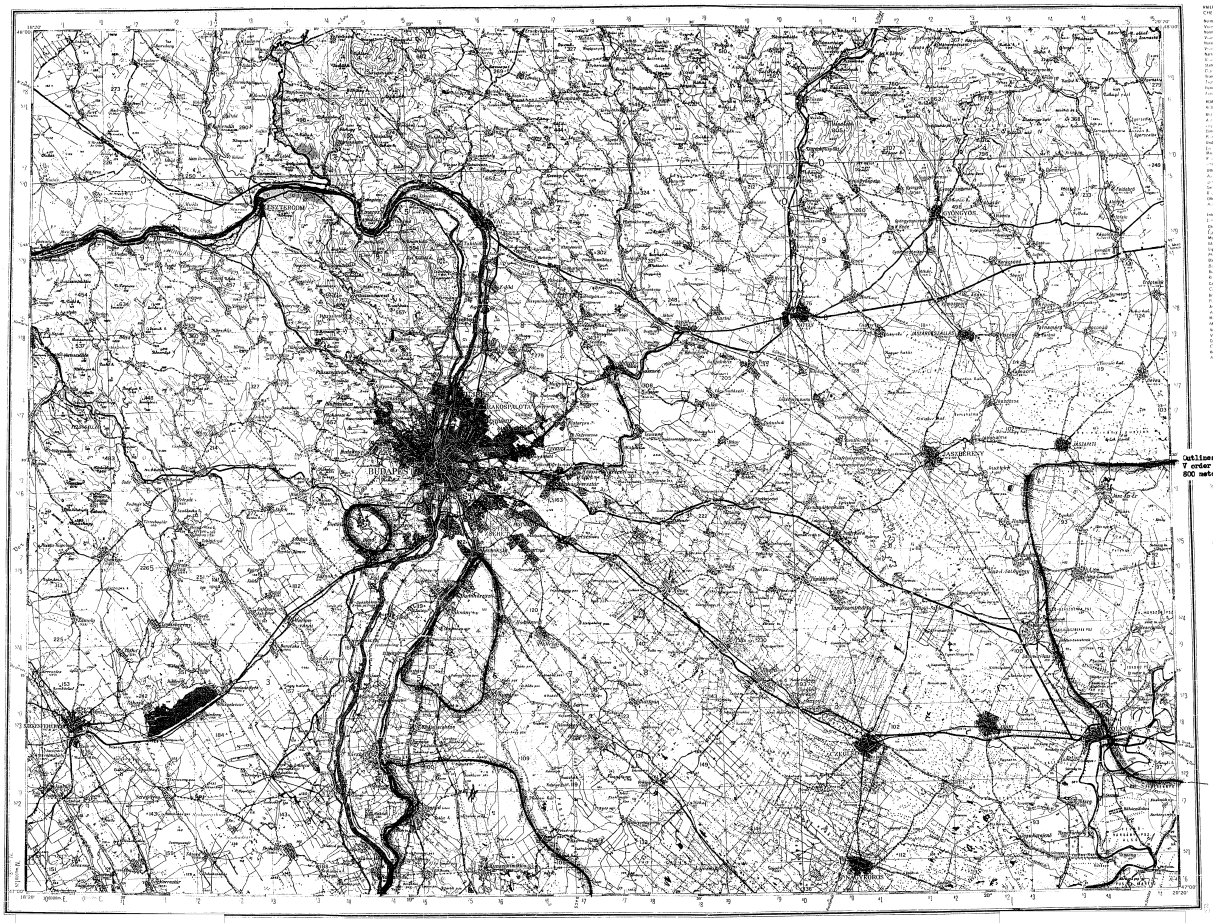

Outlines military mapping at 1:5,000 scale and V order triangulation at distances of 700 - 800 meters in 1954.

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Scale 1:250,000

Outlines area of military mapping 1:5,000 scale and V order triangulation at distances of 700-800 meters in 1954

CONTOUR INTERVAL 100 METERS

TRANSVERSE MERCATOR PROJECTION

HORIZONTAL DATUM IS BASED ON EUROPEAN DATUM

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AUTHORITIES

BUDAPEST, HUNGARY; CZECHOSLOVAKIA

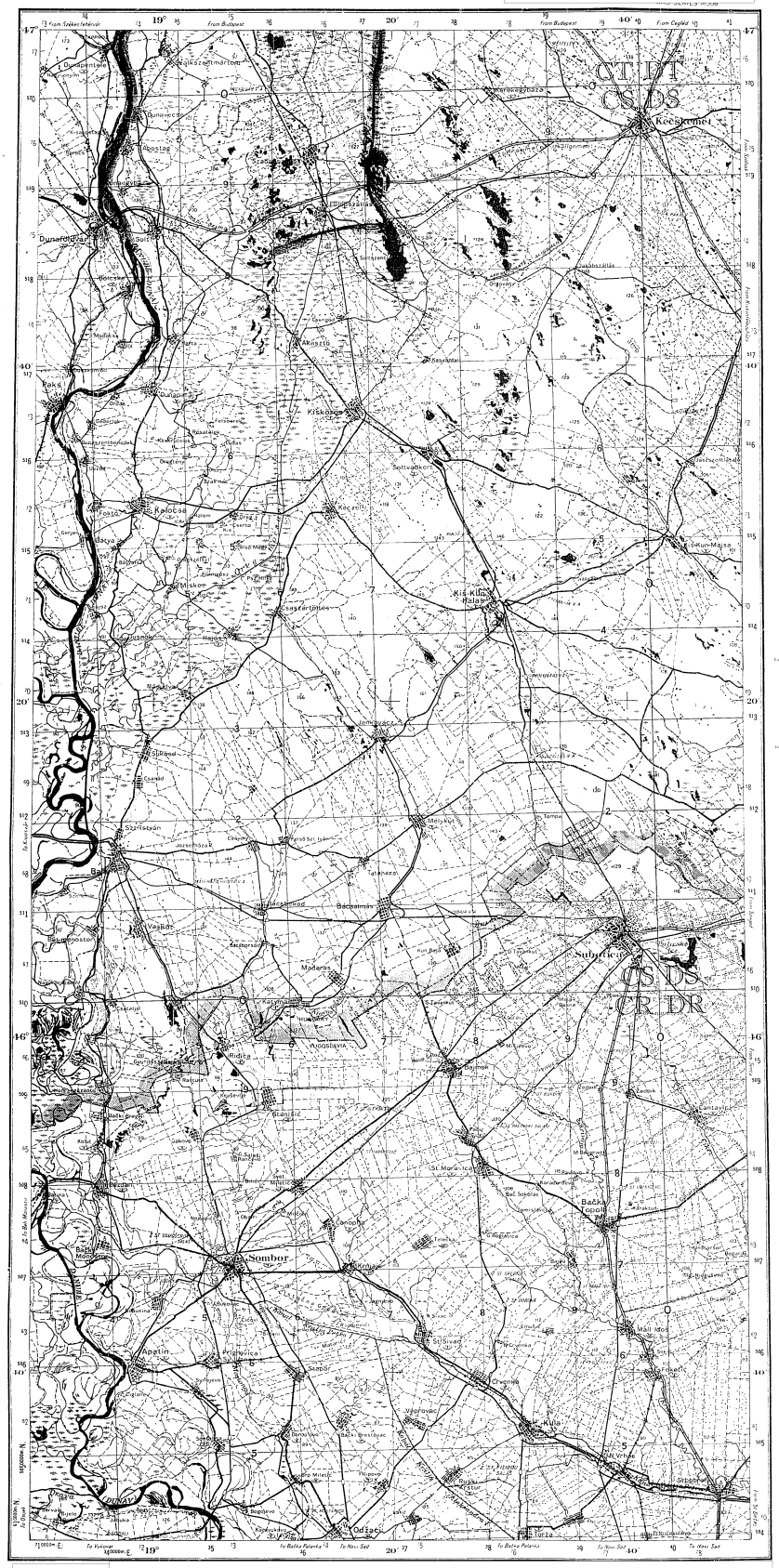
CONFIDENTIAL

CONFIDENTIAL

THE BALKANS 1:250,000

SUBOTICA

50X1-HUM



TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10 000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 34, INTERNATIONAL SPHEROID

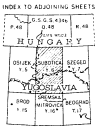
LES LIGNES CHIFFREES EN NOIR CORRESPONDENT AU QUADRILLAGE MYRIAMETRIQUE U.T.M. DU FUSEAU 34, ELLIPSOIDE INTERNATIONAL

THE LAST FOUR DIGITS OF THE GRID NUMBERS ARE OMITTED

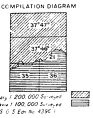
LES QUATRE DERNIERS CHIFFRES DES NUMÉROS DE QUADRILLAGE SONT OMIS

HEIGHTS IN METERS

INDEX TO ADJOINING SHEETS



COMPILATION DIAGRAM



AUTHORITIES

LEGEND

GLOSSARY OF SERBO-CROAT TOPOGRAPHICAL TERMS

SCALE 1:250,000

Outlined areas of military maps, 1:5,000 scale and 1 order triangulation at distances of 200-300 before IX 1951

THE DELINEATION OF INTERNATIONAL BOUNDARIES ON THIS MAP MUST NOT BE CONSIDERED AUTHORITATIVE

GRIDS AND GEOGRAPHIC VALUES ON THIS SHEET ARE APPROXIMATE

LES QUADRILLAGES ET LES CARROYAGES QUI SONT FIGURÉS SUR CETTE FEUILLE SONT APPROXIMATIFS

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SUBOTICA, YUGOSLAVIA, HUNGARY

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CENTRAL EUROPE 1:250,000

KOMÁRNO

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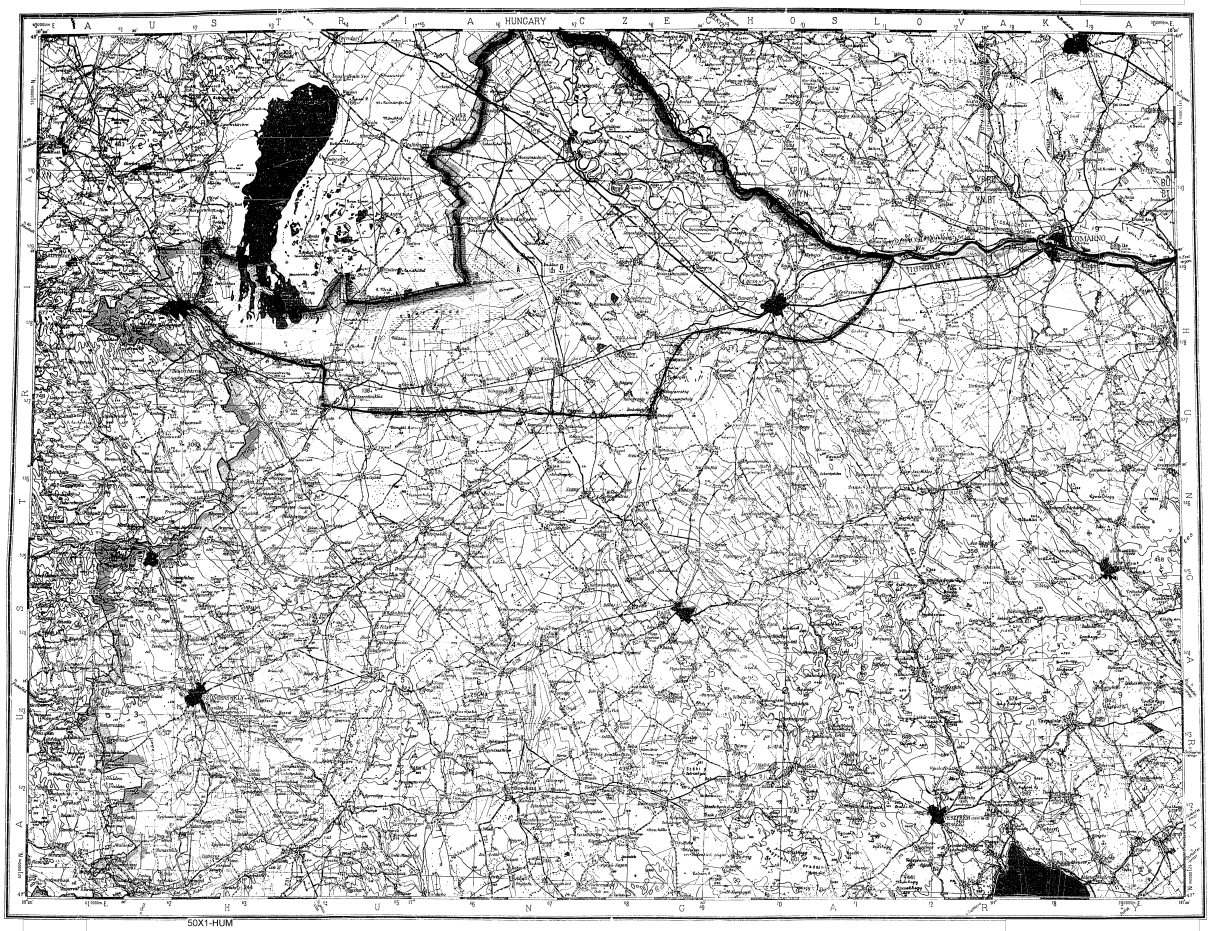

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LEGEND
SIGNES CONVENTIONNELS

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GLOSSARY

KEY TO PRONUNCIATION

GLOSSARY

KEY TO PRONUNCIATION

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Scale 1:250,000
1 Inch=3.95 Miles | 1 Centimeter=2.5 Kilometers | 1 Inch=3.425 Nautical Miles

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CONTOUR INTERVAL 100 METERS

TRANSVERSE MERCATOR PROJECTION

INDEX TO ADJOINING SHEETS

Certain main spot heights are indicated by a white tab to improve legibility

THE DELINEATION OF INTERNATIONAL BOUNDARIES ON THIS MAP MUST NOT BE CONSIDERED AUTHORITATIVE

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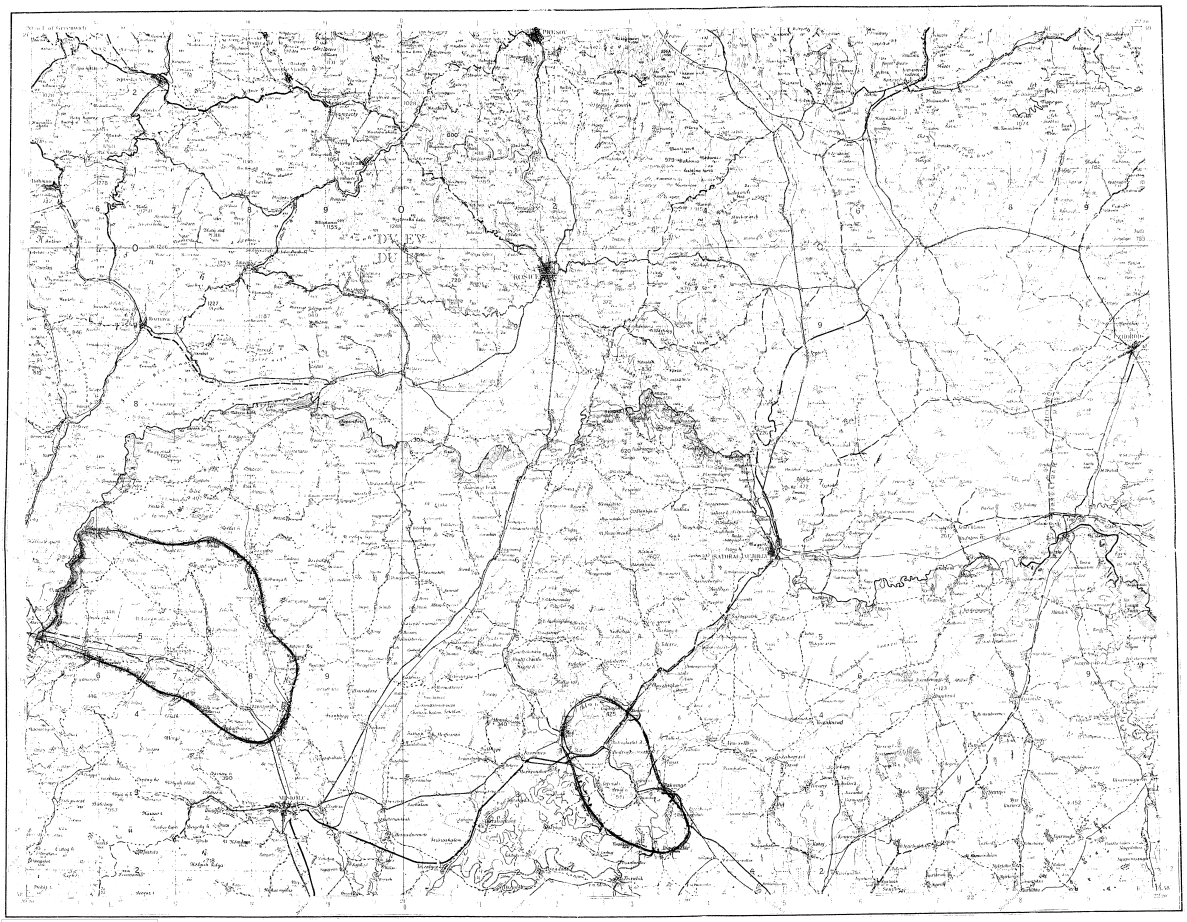
KOMARNO, CZECHOSLOVAKIA; AUSTRIA; HUNGARY

CENTRAL EUROPE 1:250.000

KOŠICE



AUTHORITIES

Q 50 R 50 S 50
Q 49 R 49 S 49
Q 48 R 48 S 48

KOŠICE, CZECHOSLOVAKIA, HUNGARY, U.S.S.R.